

Umetco Minerals Corporation



P.O. BOX 1029
GRAND JUNCTION, COLORADO 81502
☎ (303) 245-3700

April 24, 1990

Utah Department of Health
Division of Environmental Health
Bureau of Water Pollution Control
P.O. Box 16690
Salt Lake City, UT 84116-0690

Attention: Permits and Compliance Section

Dear Sirs:

Re: UPDES Permit UT-0023922
Rim Mine, Utah
Umetco Minerals Corporation

Umetco Minerals hereby submits the first quarter 1990 discharge monitoring report for UPDES Permit UT-0023922 for the Rim Mine located in San Juan County, Utah.

The Rim Mine did not have a discharge for the months of January and February. The discharge resumed in early March with grab sampling for March compliance occurring soon after the resumption of discharging. The compliance sampling indicates that the soluble Radium-226 concentration present in the discharge at the time of the March sampling (4.6 pCi/L) was greater than the UPDES Permit mean standard of 3 pCi/Liter and below the quarterly maximum of 10 pCi/Liter. As Radium-226 analysis involves a lengthy delay between sample counting intervals, to allow for the in-growth of Bismuth-214 which is the isotope being counted, the indication that the sampled discharge concentrations was observed to be potentially above the permit mean was not available until late March.

In the interim, operations personnel observed that the Barium Chloride addition pump, supplying $BaCl_2$ to the treatment circuit to precipitate Radium-226 as an insoluble Barium-Radium-Sulfate complex, was operating at about fifty percent of its rated efficiency due to a cracked head and piston. The pump was repaired immediately following this observation. The potential malfunction of this pump during the period of compliance sampling is most likely the cause of the observed elevated soluble Radium-226 concentrations. Improved operation surveillance, based upon this experience, will serve to minimize future reoccurrences.

If there are any questions, please contact me at 303-245-3700.

Sincerely,

Niels B. Haubold
Niels B. Haubold
Manager of Mines

Encl.

Certified-Return Receipt Requested

cc: U.S. Environmental Protection Agency
999 8th Street, Suite 500 8WM-C
Denver, Colorado 80202-2405

bcc: R. K. Jones
R. F. Barnett
C. L. Myers
R. G. Tisch

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Approval expires 9-30-85

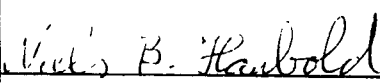
NAME UMETCO MINERALS CORPORATION
ADDRESS P. O. BOX 506
DOVE CREEK, COLORADO 81324
FACILITY RIM MINE
LOCATION SECTION 27, T31S, R25E

(2-16)		(17-19)	
UT-0023922		001	
PERMIT NUMBER		DISCHARGE NUMBER	

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
90	01	01	90	03	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	0.0013	0.0029	mgd	-	-	-		-	1/7	meter
	PERMIT REQUIREMENT	-	-		-	-	-			1/7	meter
TSS	SAMPLE MEASUREMENT				-	16	16	mg/l	0	1/30	g
	PERMIT REQUIREMENT					20	30			1/30	grab
TDS	SAMPLE MEASUREMENT					554	554	mg/l	0	1/90	grab
	PERMIT REQUIREMENT						1000			1/90	grab
Uranium-Nat. (total)	SAMPLE MEASUREMENT					1.45	1.45	mg/l	0	1/30	grab
	PERMIT REQUIREMENT					2	4			1/30	grab
COD	SAMPLE MEASUREMENT					16	16	mg/l	0	1/90	grab
	PERMIT REQUIREMENT					100	200			1/90	grab
Oil & Grease	SAMPLE MEASUREMENT					4	4	mg/l	0	1/90	g
	PERMIT REQUIREMENT						10			1/90	grab
Zinc (total)	SAMPLE MEASUREMENT					0.05	0.05	mg/l	0	1/90	grab
	PERMIT REQUIREMENT						0.20			1/90	grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			303	245-3700	90	4	24
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Approval expires 9-30-85

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(2-16)
UT-0023922
PERMIT NUMBER

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DISCHARGE NUMBER

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	90	01	01		90	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT					6.3	6.3	I.S.	0	1/30	grab
	PERMIT REQUIREMENT				6.0		9.0				
Soluble Ra-226	SAMPLE MEASUREMENT					4.6	4.6	pCi/l	1	1/30	g
	PERMIT REQUIREMENT					3	10				
Total Ra-226	SAMPLE MEASUREMENT					5.3	5.3	pCi/l	0	1/30	grab
	PERMIT REQUIREMENT					10	30				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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TYPED OR PRINTED			303 245-3700 AREA CODE NUMBER	90 4 24 YEAR MO DAY		

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